

Title (en)

Vapor deposition repair of superalloy articles

Title (de)

Verfahren zum Reparieren von Superlegierungsbauteilen mittels Dampfabscheidung

Title (fr)

Procédé de dépôt en phase vapeur pour la réparation des articles en superalliage

Publication

EP 1217090 A1 20020626 (EN)

Application

EP 01310228 A 20011206

Priority

US 74113300 A 20001219

Abstract (en)

A repair process for superalloy articles is described. Worn or cracked or otherwise defective areas at the surface of a superalloy component are repaired using vapor deposition to apply a repair filler material (70) to the defect (31). <IMAGE>

IPC 1-7

C23C 14/04; **F01D 5/00**

IPC 8 full level

F01D 5/28 (2006.01); **C23C 14/04** (2006.01); **C23C 14/24** (2006.01); **C23C 14/58** (2006.01); **F01D 5/00** (2006.01); **F01D 9/02** (2006.01); **F02C 7/00** (2006.01)

CPC (source: EP US)

B23P 6/007 (2013.01 - EP US); **C23C 14/042** (2013.01 - EP US); **C23C 14/588** (2013.01 - EP US); **F01D 5/005** (2013.01 - EP US); **F05D 2230/80** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **Y10T 29/49318** (2015.01 - EP US); **Y10T 428/12535** (2015.01 - EP US)

Citation (search report)

- [XY] EP 0808913 A1 19971126 - GEN ELECTRIC [US]
- [A] US 5013274 A 19910507 - BARGUES MICHEL [FR], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 017, no. 092 (M - 1371) 23 February 1993 (1993-02-23)

Cited by

EP1505169A1; EP1881154A1; EP1701004A1; EP1808506A1; EP1454707A1; EP1591561A1; EP1505168A3; EP1950320A1; EP1944387A1; FR3087370A1; EP1354977A3; EP1990445A1; US7278829B2; US7544520B2; WO2005106075A1

Designated contracting state (EPC)

CH DE FR GB LI NL

DOCDB simple family (publication)

EP 1217090 A1 20020626; JP 2002235557 A 20020823; SG 101519 A1 20040130; US 2002076573 A1 20020620

DOCDB simple family (application)

EP 01310228 A 20011206; JP 2001379477 A 20011213; SG 200107292 A 20011123; US 74113300 A 20001219